Exponential Review
Test Tuesday

p444 q 1-6
p445 q 8-13
p446 q 1-7
+ Graphing Exponential Func - Handout

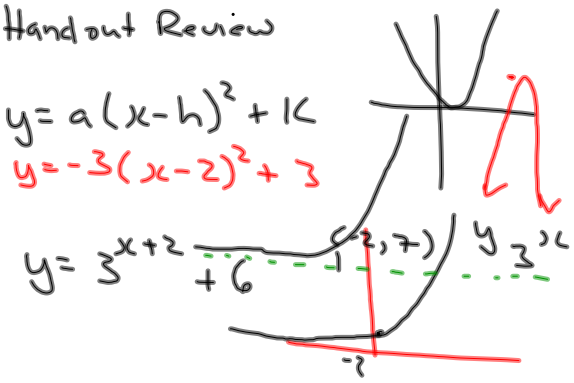
May 22-7:54 AM

Handout Review

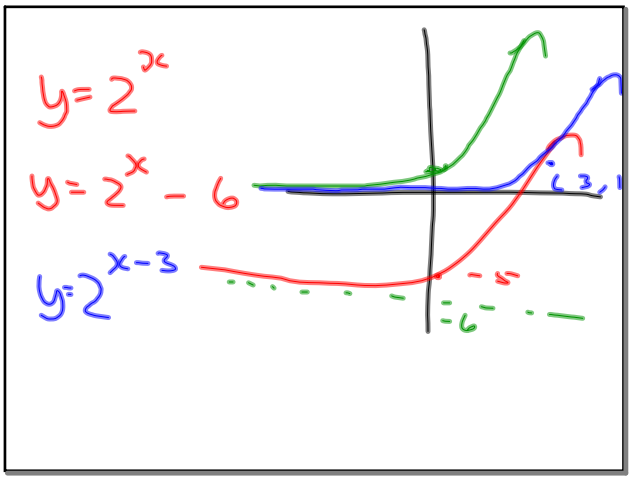
$y = a(x-h)^2 + k$

$y = -3(x-2)^2 + 3$

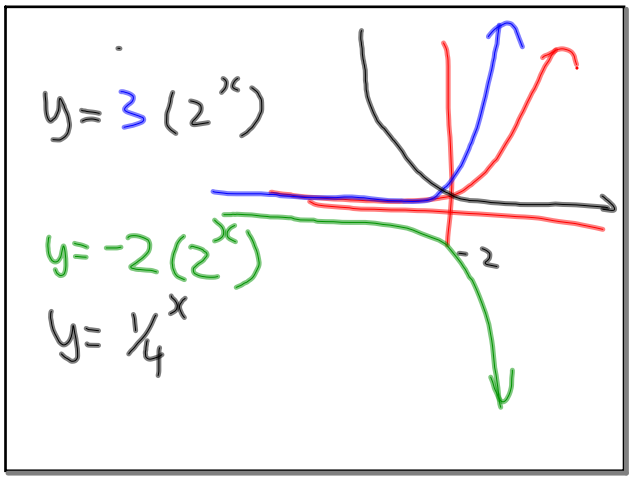
$y = 3^{x+2} + 6$



May 22-7:59 AM



May 22-1:53 PM



May 22-1:56 PM

Unit Review Handout

#5 $P(n) = P_0(1+r)^n$

P(n) ?
P(0) = 250
r = doubles / 30 min ? 100% 1.0
n = 8

$P(n) = 250(1+1)^8$
$= 250(2)^8$
$= 250(256)$
$= 64000$

May 22-2:04 PM

Applications of Exponential Functions

q 8 $P(n) = P(0)(1+r)^n$

P(n) ?
P(0) = 1000 $= 1000(1+1.0)^{10}$
r = 1.0 $= 1000(2)^{10}$
n = 10 $= 1\,024\,000$

May 22-2:09 PM

$200^{4/3}$

$= \sqrt[3]{200^4}$

$= \sqrt[3]{1.60000000000}$

$= 1169.6$

May 26-10:40 AM

3 a) $P(n) = 0.25g$

$P(0) = 1g$

$r = 1/2 = 0.50$

$n = ?$

$P(n) = P_{(0)}(1-r)^n$

$0.25 = 1(1-0.50)^n$

$0.25 = 1(0.50)^n$

$\frac{0.25}{1} = 0.50^n$

$0.25 = 0.50^n$

$n = 2$

$n = 2 \times 140$

$= 280d$

May 22-2:12 PM

9. $P_{(N)} = P_0(1+r)^n$

$P_{01} = 1500$

$r =$ triples as a % $\quad 200\%$

$n =$ # of times

2 $\quad P_{(N)} = 1500(1+2.0)^n$

$P(N) = 1500(3)^n$

May 25-10:15 AM

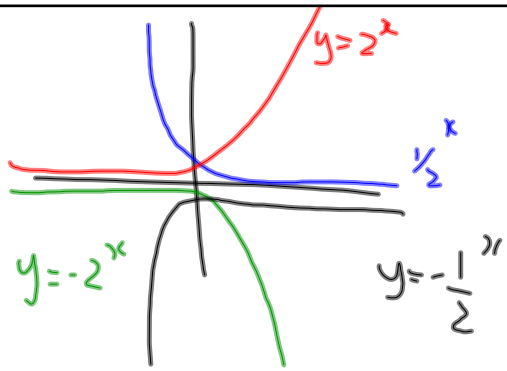
$\left(10^1(10^3)^{-1}\right)^{-2}$

$((10)^1(10^{-3}))^{-2}$

$(10^{-2})^{-2}$

$(10)^{+4}$

May 25-10:57 AM



May 26-10:51 AM

$125^{1/3}$

$\sqrt[3]{125} = 5$

$81^{0.25}$

$81^{1/4}$

$\sqrt[4]{81} = 3$

May 26-11:42 AM